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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/750,232	12/29/2003	Randal Thornley	ZIL-562	8869
47713 75	590 04/15/2005	EXAMINER		
	GE LAW GROUP LLI	TRAN,	TRAN, ANH Q	
6601 KOLL CENTER PARKWAY, SUITE 245 PLEASANTON, CA 94566			ART UNIT	PAPER NUMBER
TELABATION, CA 34300			2819	
			DATE MAILED: 04/15/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

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A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provision of 37 CFR 1.136(a). In no event, however, may a raply be timely filled ### the period for raply a specified above is less than thirty (20) days, a reply within the statutory minimum of thirty (30) days and the period for raply a specified above, the maximum statutory period will apply and will explore 5X (6) MONTHS from the mailing date of this communication. #### Filled for reply specified above, the maximum statutory period will apply and will explore 5X (6) MONTHS from the mailing date of this communication to become ABANDONED (35 U.S.C, § 133). #### And the period for reply specified above, the maximum statutory period will apply and will explore 5X (6) MONTHS from the mailing date of this communication. #### And the period for reply specified above, the maximum statutory period will apply and will explicate 5X (6) MONTHS from the mailing date of this communication. #### And the period for reply specified above, the maximum statutory period and the period for reply will have been developed and the period for reply will be considered timely. ###################################		Application No.	Applicant(s)				
Anh Q. Tran - The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. If the period for reply specified shows is less than tility (30) days, and provide the table XX (s) MONTHS from the mailing date of this communication. If the period for reply specified shows is been shown installary period will applie and will applie XX (s) MONTHS from the mailing date of this communication. If the period for reply specified shows is been shown installary period will applie XX (s) MONTHS from the mailing date of this communication. A reply received by the Office later than three months after the mailing date of this communication, even if threely filed, may reduce any sender period will applie and will applie XX (s) MONTHS from the mailing date of this communication, even if threely filed, may reduce any sender period will applie and the sender and applies and applie	Office Action Summan	10/750,232	THORNLEY ET AL.				
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A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time many be available under the provisions of 3° CFR 1.35(c). In ne evant, however, may a reply be timinly filed - Extensions of time many be available under the provisions of 3° CFR 1.35(c). In ne evant, however, may a reply be timinly filed - Extensions of time many be available under the provisions of 3° CFR 1.35(c). In ne evant, however, may a reply be timinly filed - Extensions of time many be available under the provisions of 3° CFR 1.35(c). The station of thing (30) days will be considered timely. - If NO period for reply a pecified above, the maximum statistory pecified will apply and will expire 3° X (5) MONTHS/rem the mailing date of this communication. - Any reply received by the Office for than three mailing date of this communication, even if timely filed, may reduce any search platent term adjustment. See 3° CFR 1.704(b). - Status 1) Responsive to communication(s) filed on 29 December 2003. - 2a) This action is FINAL. - 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. - Disposition of Claims 4) Claim(s) 1-22 is/are pending in the application. - 4a) Of the above claim(s) is/are withdrawn from consideration. - 5) Claim(s) 2 2 is/are allowed. - 5) Claim(s) 22 is/are allowed. - 6) Claim(s) 22 is/are allowed. - 7) Claim(s) 22 is/are allowed. - 8) Claim(s) 21 and 23 is/are rejected. - 7) Claim(s) 22 is/are allowed. - 8) The proving the							
THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be waited under the provisions of 30°CFR 1.13(6). In no event, however, may a reply be timely filed after 50X (6) MCNTIS from the mailing date of this communication. **PORTISE of time may be waited because the state of the communication.** **It No period for reply is specified above, the maximum states of prieds with a pays and wit search (50K) MCNTIS from the mailing date of this communication. **Fallure to reply within the set or extended period for reply will, by a faulte, cause the application to become ARANDONED (35 U.S.C. § 133). Any reply reverse by the filtric last these three months after the mailing date of this communication. **Fallure to reply within the set or extended period for reply will, by a faulte, cause the application to become ARANDONED (35 U.S.C. § 133). Any reply reverse by the filtric last these three months after the mailing date of this communication. **Fallure to reply within the set of extended period for reply will, by a fault, cause the application to become ARANDONED (35 U.S.C. § 130). Any reply received by the Office last these three months after the mailing date of this communication. **Fallure to reply within the set of extended period for reply will, by a fault of the communication. **The period of the set of the communication.** **Apy reply reverse by the Office Art the mailing date of this communication.** **The period of the period of the communication.** **The period of the period of the period of the period of the communication.** **The period of the perio	The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the o	correspondence address				
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Application/Control Number: 10/750,232

Art Unit: 2819

DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 21 & 23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Newton et al (6,198,401).

Newton shows an integrated circuit, comprising: a first means (410) for detecting fast electromagnetic transient (EFT) fault; a second means (410) detecting an EFT fault; a logic tree (425) that receives signals from the first and second means and that outputs a fault detect signal indicative of whether either the first means the second means has detected an EFT fault. Newton discloses the claimed invention except for electromagnetic transient fault having a duration less than two hundred nanoseconds. It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the first means for detecting a electromagnetic transient fault of Newton having a duration less than two hundred nanoseconds, since it has been held that where the general conditions of a claim are disclosed in the prior art, discovering the optimum or workable ranges involves only routine skill in the art.

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11.67

Allowable Subject Matter

- 3. Claim 22 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 4. Claims 1-20 are allowed.
- 5. The following is an examiner's statement of reasons for allowance: with respect to claims 1 and 15, in addition to other limitations in the claims, the prior art fails to teach or disclose the applicant's invention as claimed, particularly the feature describing:
 - -each of digital logic storage element being initialized.
 - -detector circuits being distributed across at least a portion of the integrated circuit.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anh Q. Tran whose telephone number is 571-272-1813. The examiner can normally be reached on M-TH (7:00-5:30) Friday off.

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er:

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Tokar can be reached on 571-272-1812. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

ANH Q.TRAN

4/11/05